Title (en)
Method and circuit for data transmission in a ringnet

Title (de)
Verfahren und Anordnung zur Datanübertragung in einem Ringnetz

Title (fr)
Méthode et dispositif de transmission de données d'un réseau en anneau

Publication
EP 0876018 A2 19981104 (DE)

Application
EP 98101312 A 19980126

Priority
DE 19707056 A 19970221

Abstract (en)
The method involves transmitting working signals and protection signals bidirectionally between two terminal multiplexers (TM1,TM3) of different network nodes (A,B) via working and protection connections through separate optical waveguides (L1,L2). The protection connections between the terminal multiplexers TM1, TM3 and TM2, TM4 use protection signals with different wavelengths, and are present in the another part of the ring network. Working signals are also transmitted bidirectionally between the add and drop multiplexers (ADM1 - ADM4), using sequential working connections (ADM: 1-2,-3,3-4,-1). Further protection signals are transmitted, through the other part of the network, between the ADMs, with different wavelengths for each connection.

Abstract (de)
Über ein 2-Faser-Ringnetz mit mehreren Netzknoten (A,B,C,D) werden zwischen Terminal-Multiplexern (TM1, TM3) und Add/Drop-Multiplexer (ADM1, ADM2, ADM3, ADM4) bidirektional Working-Signale (WS1W, WS1E) und über den anderen Teil des Ringnetzes bidirektional Protection-Signale (ES3E, ES3W) übertragen. Für jeweils eine Working-Verbindung und eine zugehörige Protection-Verbindung wird nur eine Wellenlänge (λ1) benötigt. <IMAGE>

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